

Play with TikZ

Just Us

December 12, 2018

1 Chapter 8

ch8-1 sine, cosine, secant, csc, tan, cot

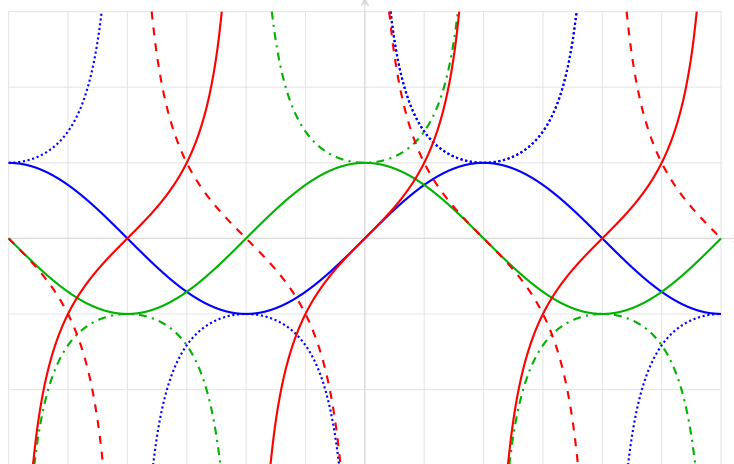
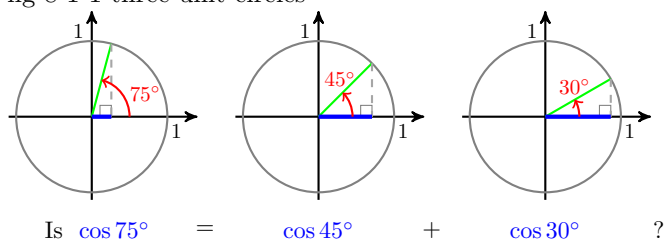


fig-8-1-1 three unit circles



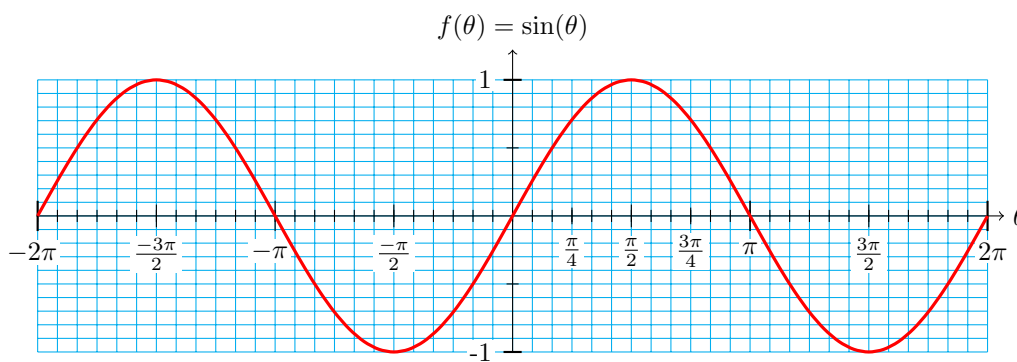


fig-8-1-2 sine graph

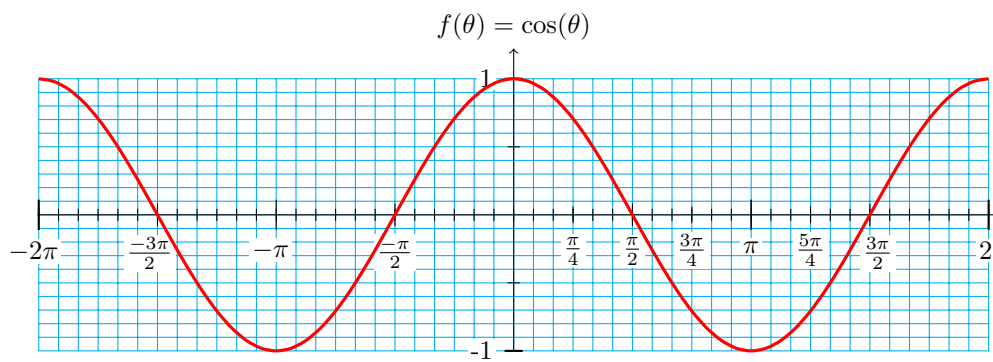


fig-8-1-3 cosine graph

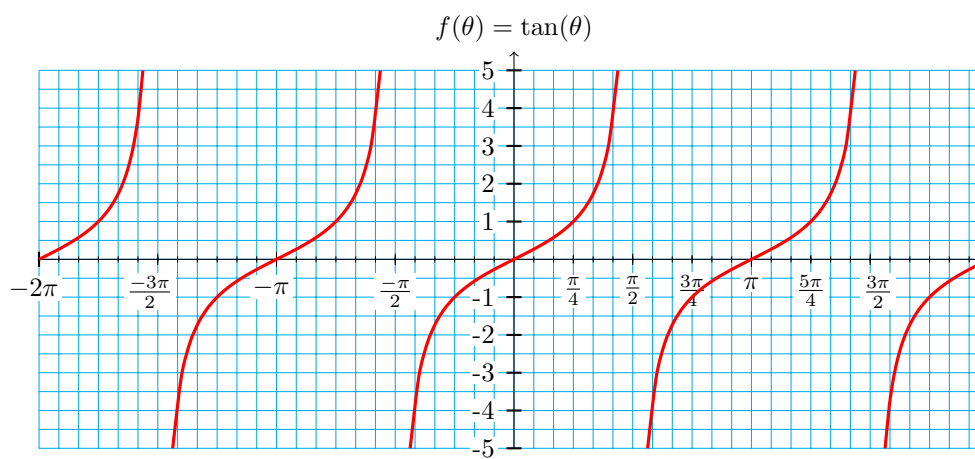
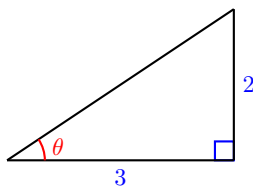
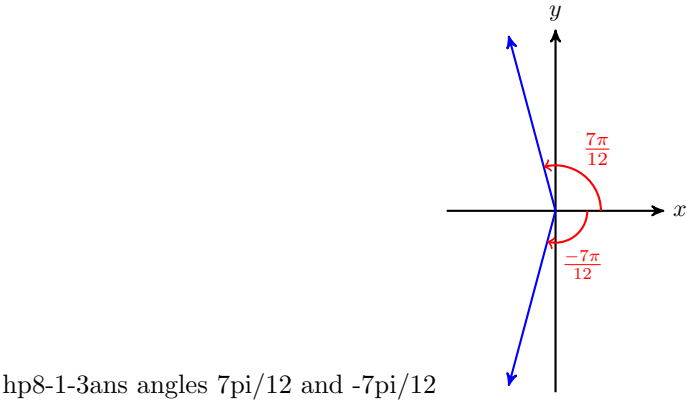
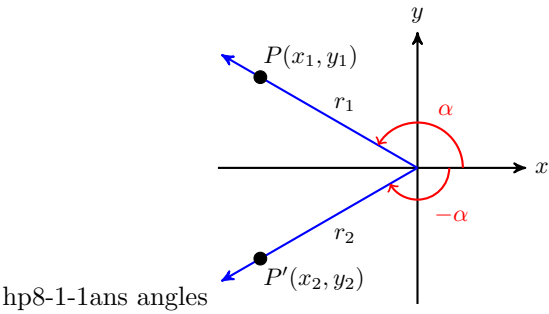
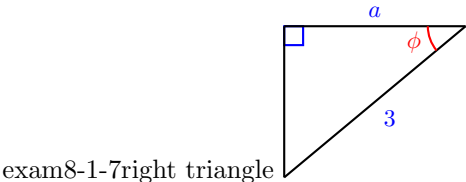


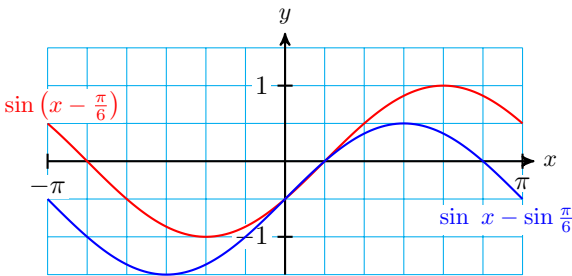
fig-8-1-4 tangent graph



exam8-1-6 right triangle



hp8-1-11ans



hp8-1-19ans angles

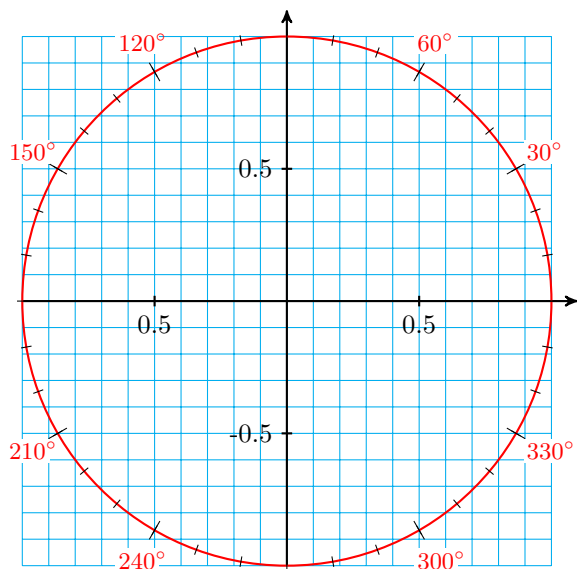
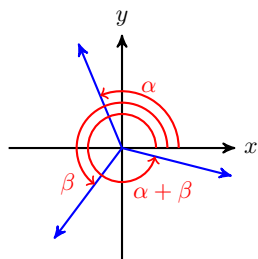
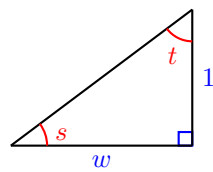
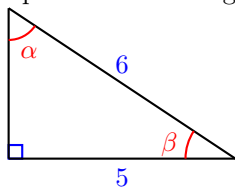
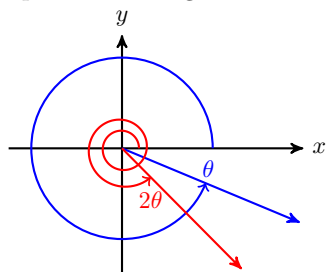


fig-4-2-unitcircle

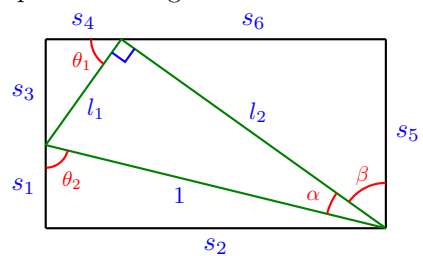
hp8-1-55 two triangles



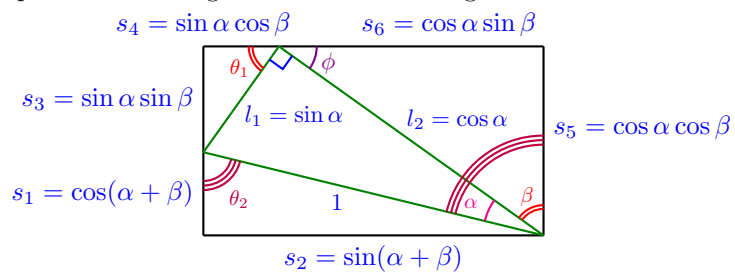
hp8-1-59ans angles



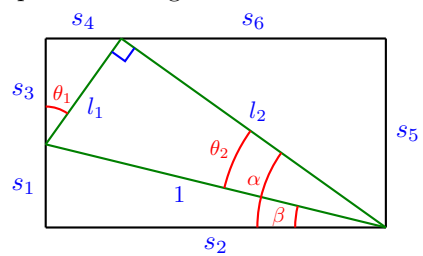
hp8-1-89 triangle inscribed in rectangle



hp8-1-89ans triangle inscribed in rectangle



hp8-1-90 triangle inscribed in rectangle



hp8-1-91 unit circle for cosine identity

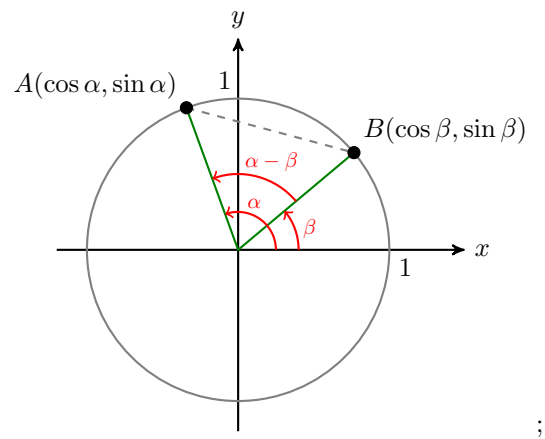
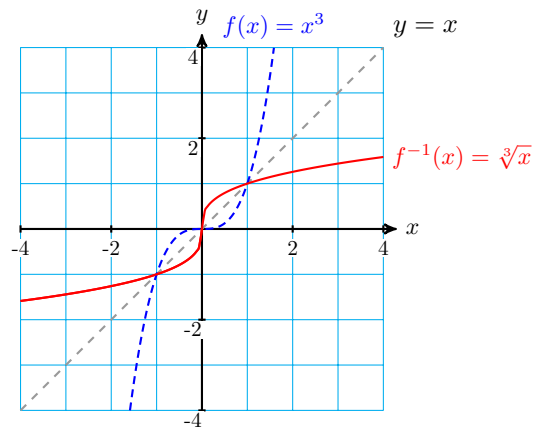
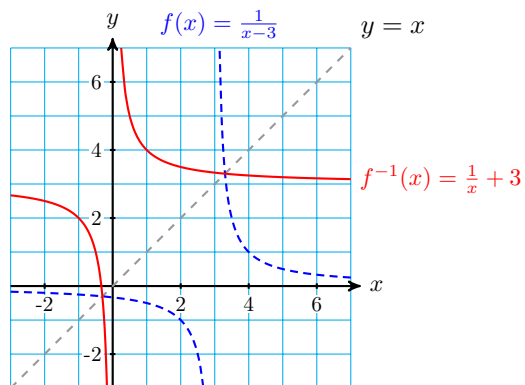


fig-8-2-2 x^3 and $\sqrt[3]{x}$



exam8-2-2 translations of reciprocal function



exam8-2-2alternate translations of reciprocal function

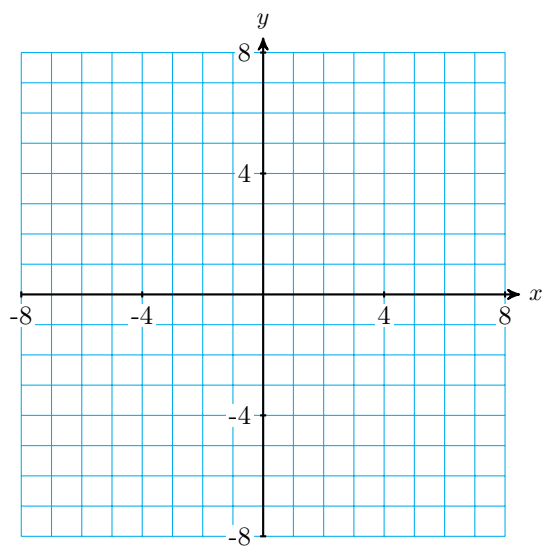
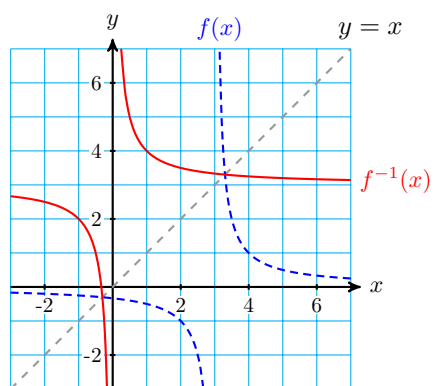


fig-8grid 8x8 grid

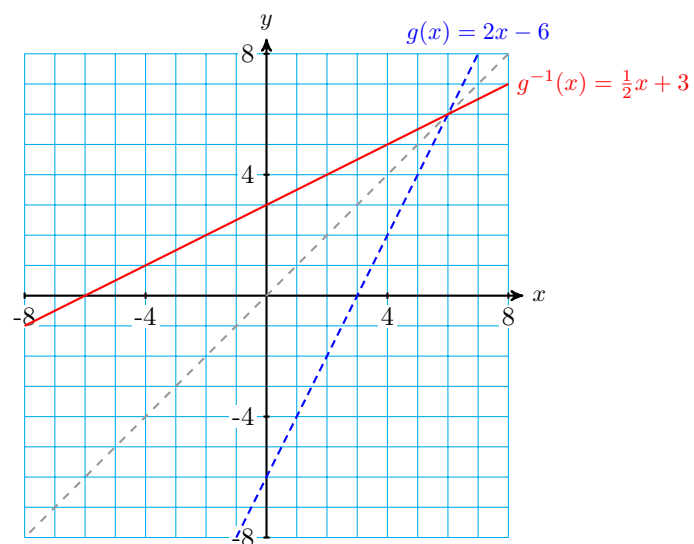
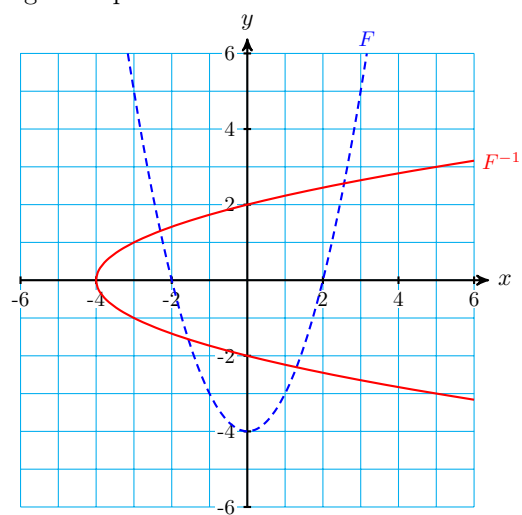
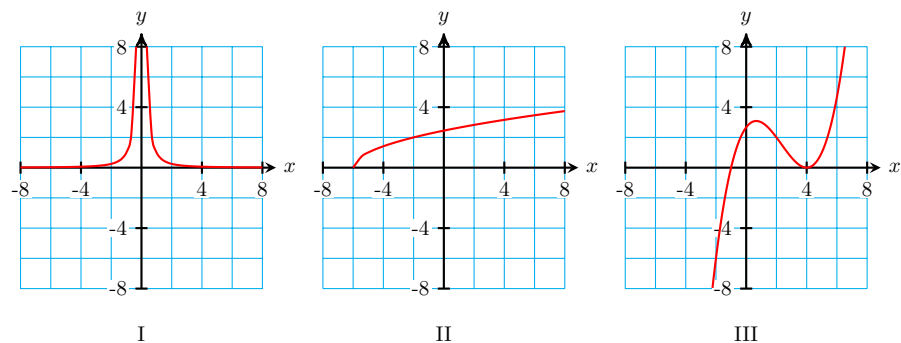


fig-8-2-2ans linear function and inverse $y = x$

fig-8-2-3 parabolas



exam8-2-3 three graphs



exer8-2-3 three graphs

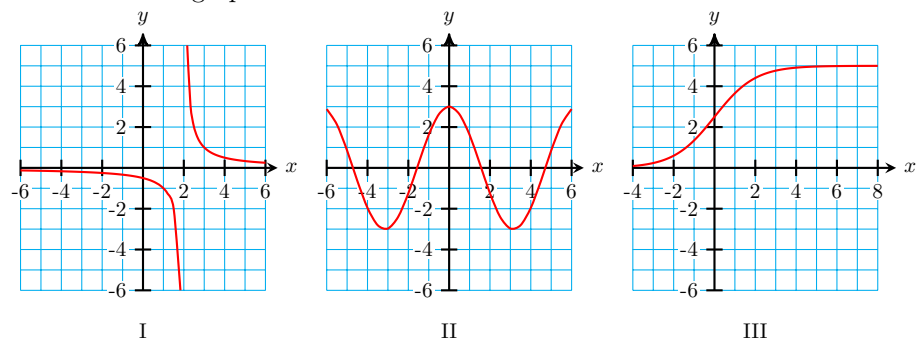


fig-8-2-4 parabolas

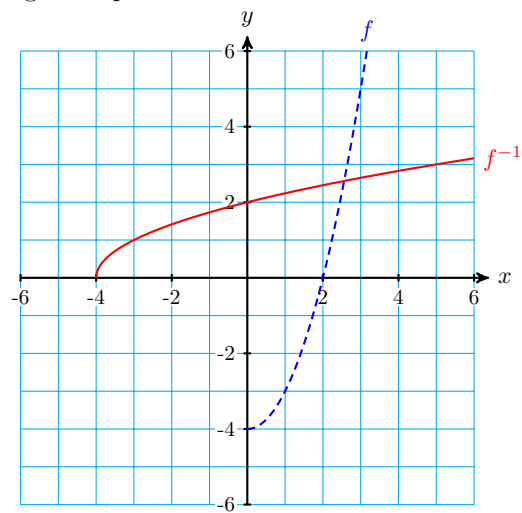


fig-8-2-5 restricted sine

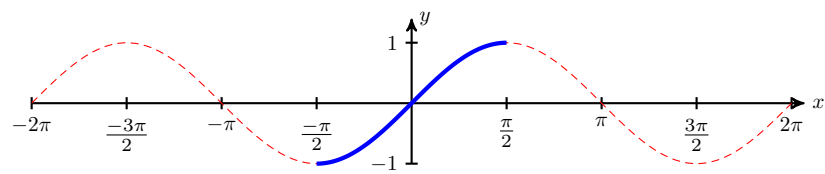


fig-8-2-6 inverse sine

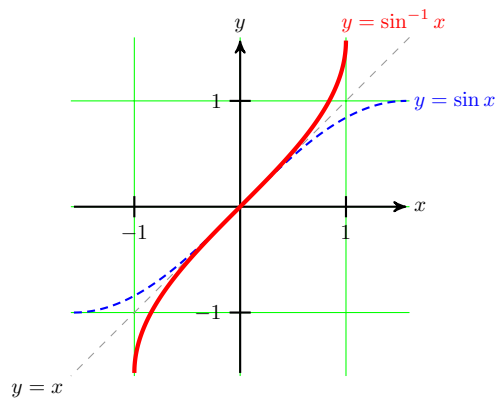


fig-8-2-7 restricted cosine

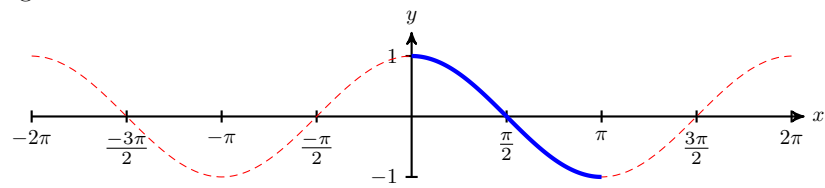


fig-8-2-8 inverse sine

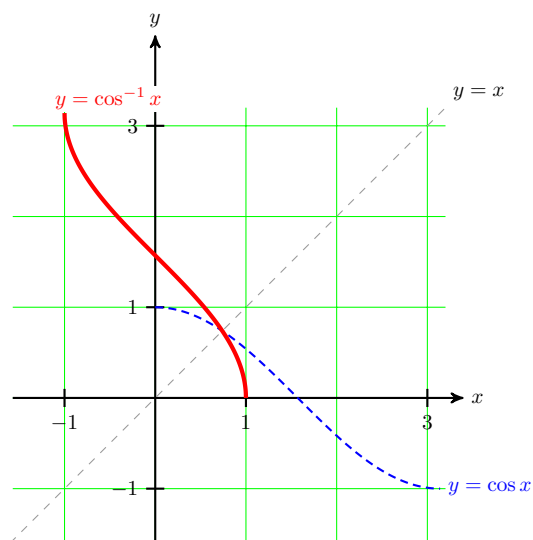


fig-8-2-9 restricted tangent

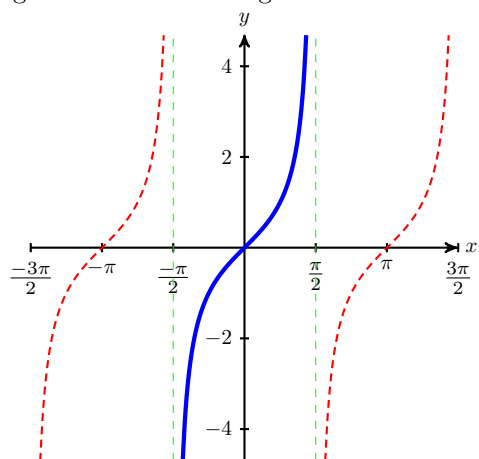
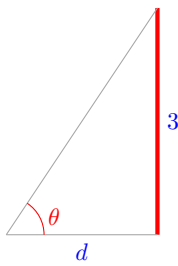
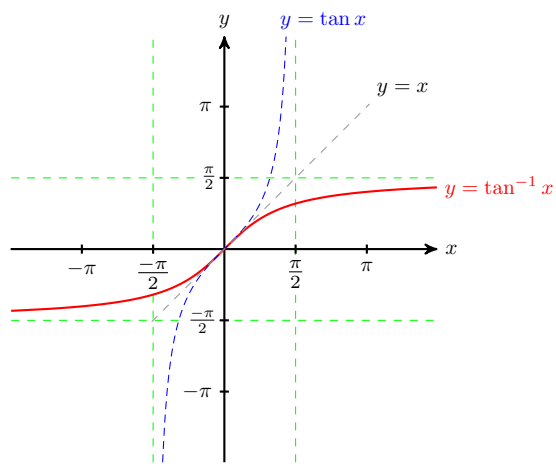
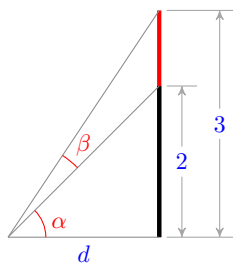


fig-8-2-10 inverse tangent

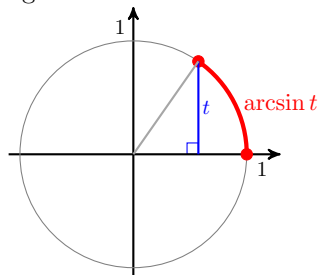


exam8-2-7 triangle

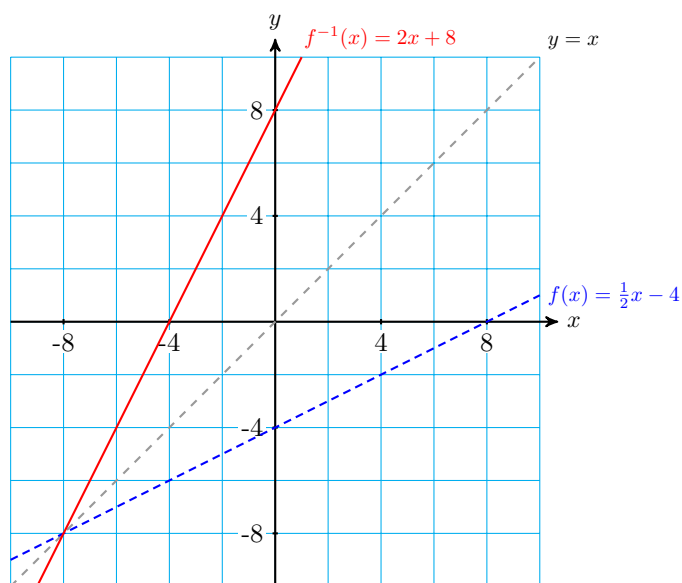


exer8-2-7 triangle

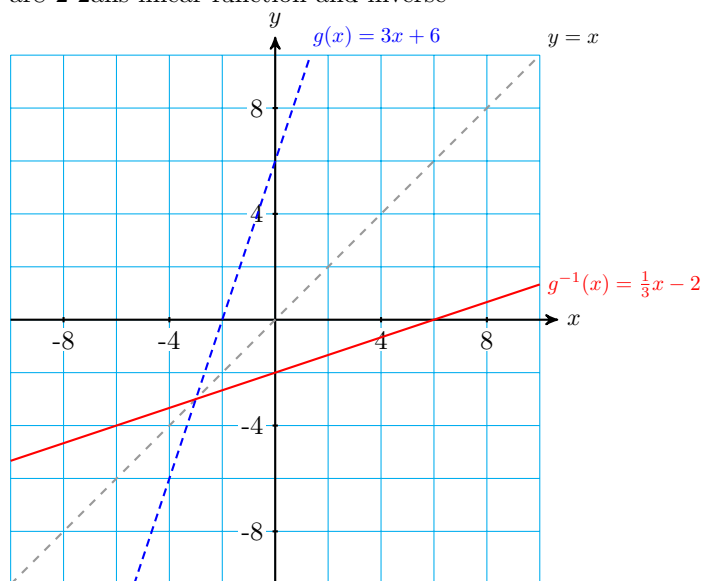
fig-8-2-11 unit circle



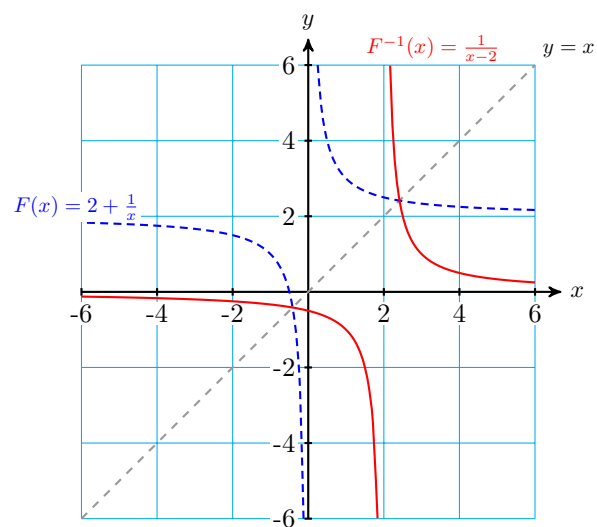
ar8-2-1ans linear function and inverse



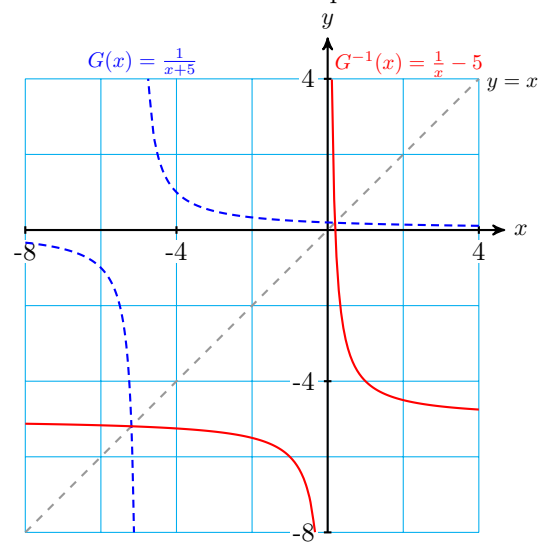
ar8-2-2ans linear function and inverse



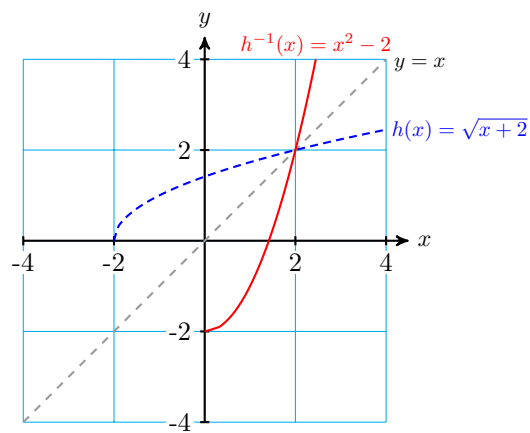
ar8-2-3ans transformed reciprocal function



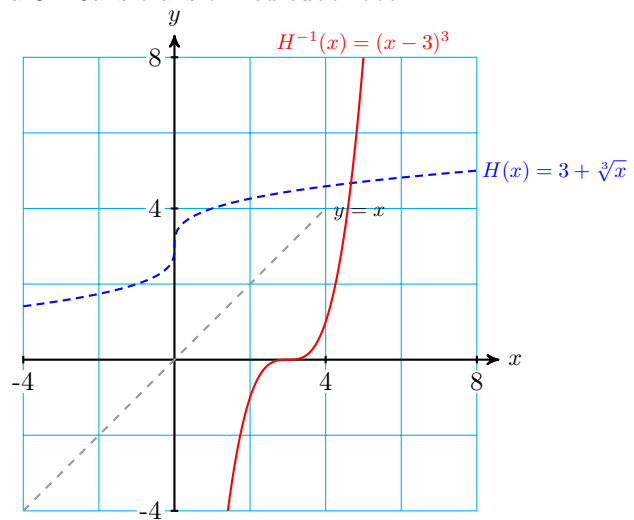
ar8-2-4ans transformed reciprocal function



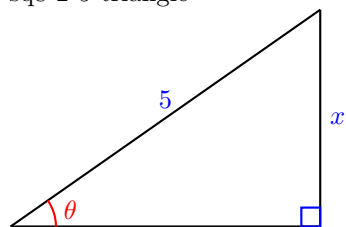
ar8-2-5ans transformed square root



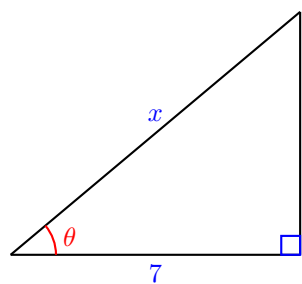
ar8-2-6ans transformed cube root



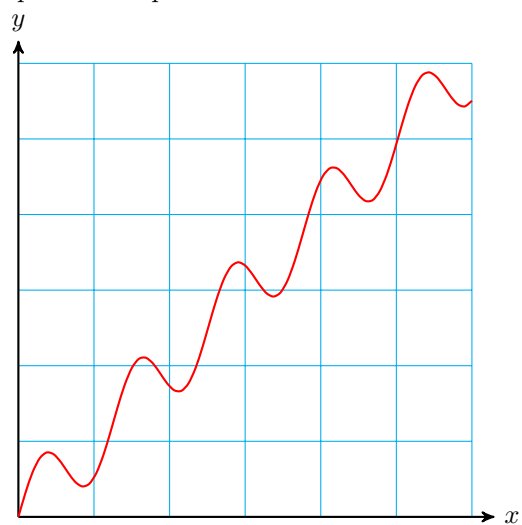
sq8-2-5 triangle



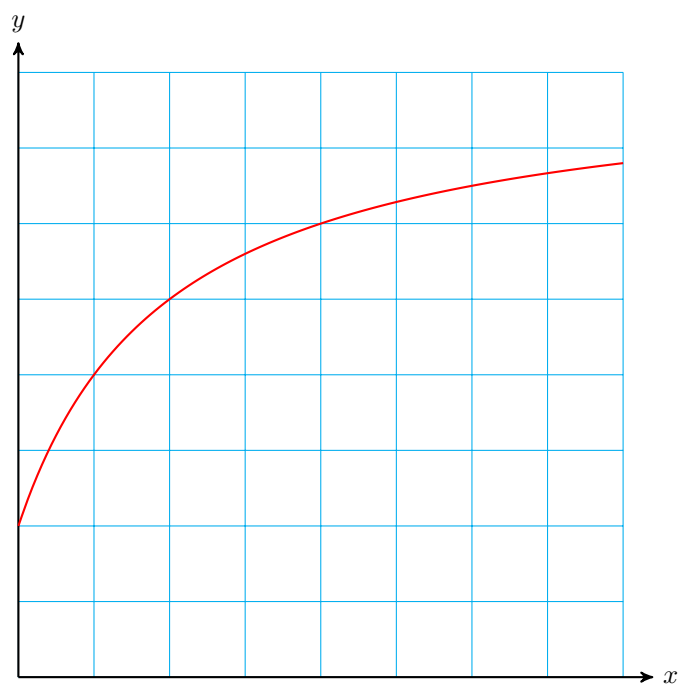
sq8-2-6 triangle



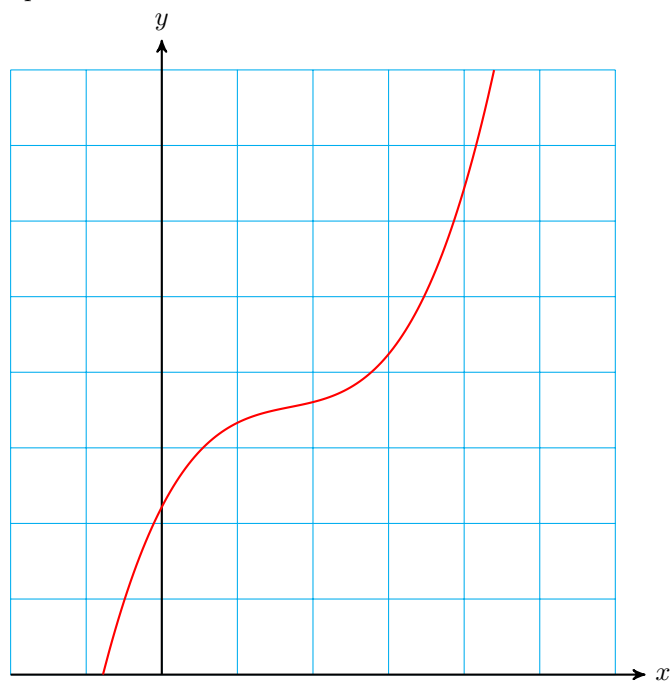
hp8-2-1 sine plus linear



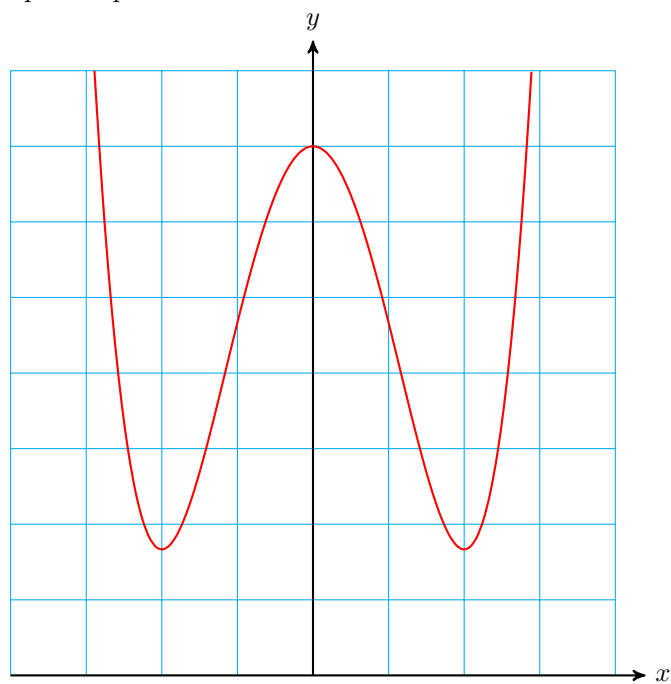
hp8-2-2 $y=8-12/(x+2)$



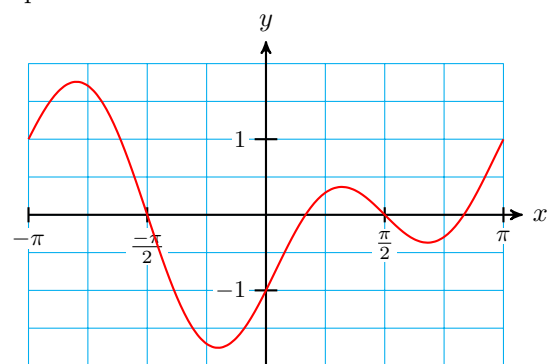
hp8-2-3 transformed cubic



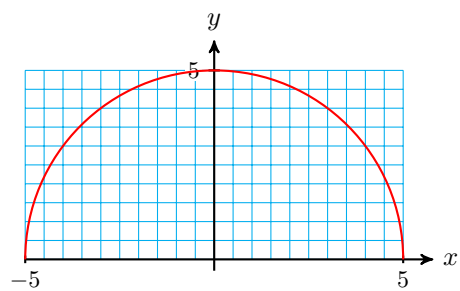
hp8-2-4 quartic



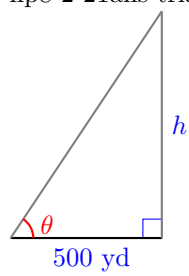
hp8-2-5ans $\sin 2x - \cos x$



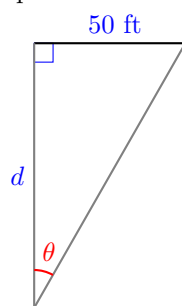
hp8-2-7ans $\sqrt{25 - x^2}$



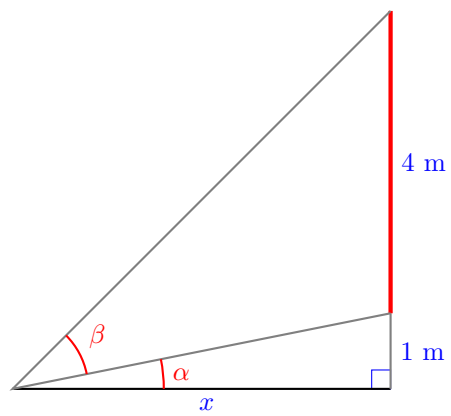
hp8-2-21ans triangle



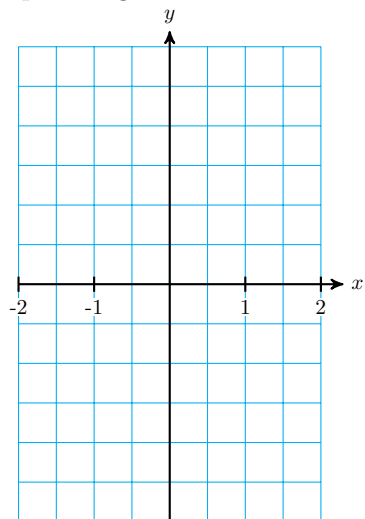
hp8-2-23ans triangle



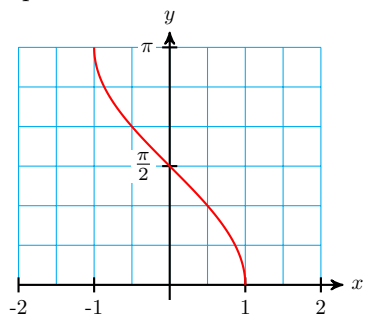
hp8-2-25ans triangle [scale=.8]



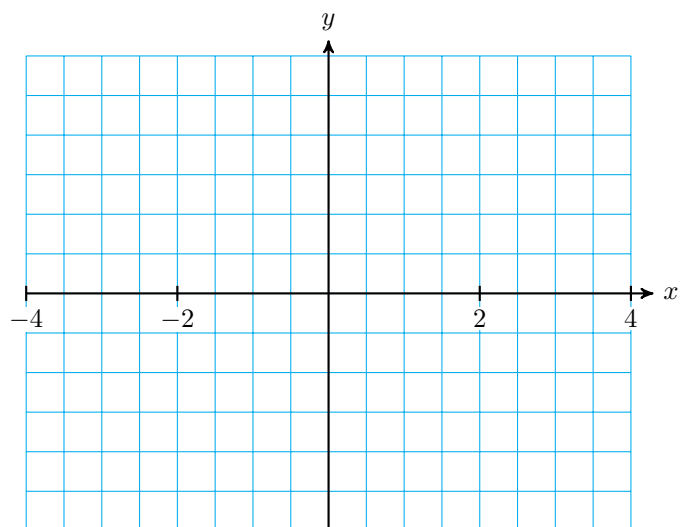
hp8-2-45 grid



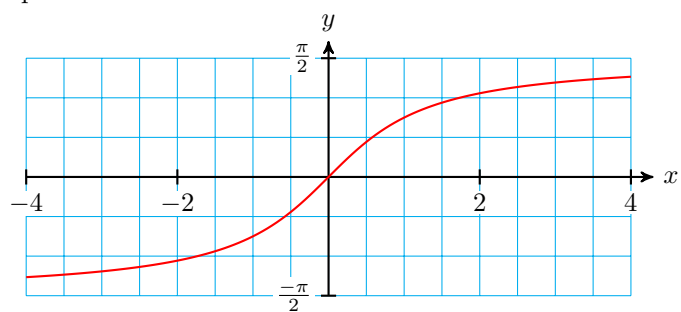
hp8-2-45ans arccos



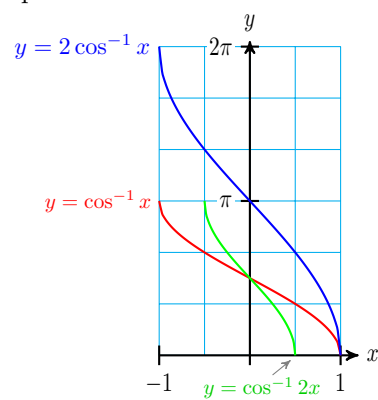
hp8-2-47 grid



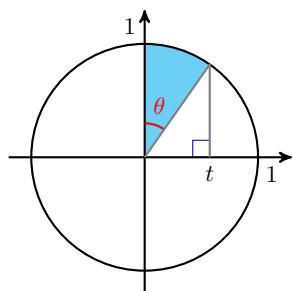
hp8-2-47ans arctan



hp8-2-49ans transformed arccos



hp8-2-73 unit circle



hp8-2-73 unit circle

